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No. 17] NEW DELHI, SATURDAY, APRIL 28, 1984 (VAISAKHA 8, 1906)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

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1--37 GI/84

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CORRIGENDUM

In the Gazette of India, Part-III, Section 2, dated the 18th February, 1984, Page 98, Column 2, under the heading "PATENTS SEALED" in 1st line, for number 150559 read 150554.

PATENT OFFICE BRANCH
BOMBAY-400 013

CORRIGENDUM

1. In the Gazette of India, Part III, Section—2 dated 22nd August, 1983 under the heading "Complete Specification Accepted" in page 511, Column 1,

in respect of Patent specification No. 151833 (Application No. 78/BOM/1981) for "Ind. Cl. 1271+1365" read "Ind. Cl. 1271+1361".

2. In the Gazette of India, Part III, Section-2 dated 7th January, 1984 under the heading "Complete specification Accepted" in page 4, Column 2.

(i) in respect of Patent specification No. 152396 (Application No. 228/BOM/1980) for Applicant's address "BOMBAY-400 036" read "BOMBAY-400 086".

(ii) in respect of Patent specification No. 152401 (Application No. 320/BOM/1981) for Application No. 302/BOM/1981 filed on NOV. 7, 1981" read "320/BOM/1981 filed on Nov. 7, 1981".

3. In the Gazette of India, Part III, Section-2 dated the 18th February 1984, under the heading "Applications for Patents filed in the Patent Office Branch at Todi Estates, Lower Parel, Sun Mill Compound, Bombay-13" in page 88, Column 2.

(i) in respect of Patent application No. 398/BOM/1983. For 'Shigrip clamp' Read 'SLIP grip clamp'

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE. 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

22nd March, 1984

- 197/Cal/84. Fried. Krupp Gesellschaft Mit Beschrankter Haftung, "Traveling winch cable hoisting mechanism with oscillation damping."

23rd March, 1984

- 198/Cal/84. United Technologies Corporation, "Method for resharpening a gas turbine engine combustor part."

- 199/Cal/84. Westinghouse electric corporation, "Transformer with ferromagnetic circuits of unequal saturation inductions."

24th March, 1984

- 200/Cal/84. Luigi granieri, "Modular elements building structure."

26th March, 1984

- 201/Cal/84. Hagen Batterie AG, "A negative electrode for lead accumulators."

- 202/Cal/84. Kabushiki Kaisha Meidensha, "Vacuum Interrupter."

27th March, 1984

- 203/Cal/84. Basil Charles Taylor, "Improvements in modular Building Construction." (November 15, 1983).

- 204/Cal/84. Precision Fasteners Gesellschaft fur Verbindungstechnik mbH, "Self-Cutting threading insert."

28th March, 1984

- 205/Cal/84. Edison International, Inc, "Solid state current-to-Pressure and current-to-motion transducer."

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI-5.

20th February, 1984

- 144/Del/84. Thumbuswamy Joseph David, "R.P.M. & Measurement devise calculator".

- 145/Del/84. Bendix Limited, "Spring force applying tensional force actuators". (May 31, 1983).

- 146/Del/84. Peter Arthur Hawksley Hill, "Cooking and/or heating stove".

- 147/Del/84. Limca Research Incorporated, "Method and apparatus for the detection and measurement of particulates in molten metal".

- 148/Del/84. Interand Corporation, "System for sensing spatial coordinates".

- 149/Del/84. Microwriter Limited, "Computer apparatus and remote keyboards therefor". (February 23, 1983).

- 150/Del/84. Compagnie Industrielle Des Telecommunications Cit-Alcatel, "Signaling terminal system for No. 7 signaling system".

21st February, 1984

- 151/Del/84. The B. F. Goodrich Company, "Method of making and using novel scale inhibiting terpolymer".

- 152/Del/84. Uniroyal, Inc., "Power Transmission Belt".

- 153/Del/84. Gireesh Kakar, "Improvements in or relating to Pots, Kettles and the like used for pouring out liquids such as beverages, hot or cold".

- 154/Del/84. Council of Scientific and Industrial Research, "A process for reesterification of carboxylic Acids".

22nd February 1984

- 155/Del/84. Desh Mitter Gupta, "Mitter Tricycle (Invalid Tricycle specially designed for physically Handicapped totally dependent on wheel chair)".

- 156/Del/84. Standard Oil Company, "Non-aqueous electrochemical cell and electrolyte".

- 157/Del/84. Hughes Aircraft Company, "Dual field of view sensor".

- 158/Del/84. Otis Elevator Company, "Progressive safety".

23rd February, 1984

- 159/Del/84. Dr. Akshaya Kumar Shaha & Shri Pradeep Kumar Chatterjee, "Industrial gas burner for high calorific gases".

- 160/Del/84. BP Chemicals Limited, "Coalescing agents". (March 9, 1983).

- 161/Del/84. Pfizer Corporation, "Triazole antifungal agents". (February 25, 1983).

- 162/Del/84. Industrial Engineering Corporation, "A process and apparatus for clarification of cane syrup".

63/Del/84. Industrial Engineering Corporation, "A process and apparatus for clarification of cane sugar juices".

24th February, 1984

64/Del/84. Laboratories Boiron S.A., "A method and apparatus for koirakavian dilution".

65/Del/84. Alcan International Limited, "Treatment of scrap lining material from aluminium reduction cells". (March 1, 1983).

66/Del/84. Piaggio & C.S.p.A., "Variable ratio transmission system, particularly useful for vehicles".

167/Del/84. Piaggio & C.S.p.A., "Variable transmission ratio mechanical drive with V. belt and expandable sheaves".

27th February 1984

68/Del/84. The British Petroleum Company p.l.c., "Powder forging of aluminium and alloys" (March 15, 1983).

169/Del/84. The British Petroleum Company p.l.c., "Diffusion bonding of aluminium surfaces coated with gallium". (March 15, 1983).

70/Del/84. Klockner-Humboldt-Deutz Aktiengesellschaft, "Method and apparatus for the continuous pressure comminution of brittle grinding stock".

71/Del/84. Sacilor, "Universal rolling mill housing with open columns, transformable into a two-high housing and vice versa, with extensible height and width, for the rolling of shapes such as I and H Beams, rails, tight fitting shaped bars, and other similar shapes".

72/Del/84. Armeo Inc., "Process for producing grain oriented silicon steel".

28th February, 1984

73/Del/84. HMR Group Limited., "An improved ceramic pigment". (March 10, 1983).

74/Del/84. Uniroyal, Inc., "Elastomeric composition".

75/Del/84. Uniroyal, Inc., "Membrane".

76/Del/84. Aur Hydropower Limited, "Water engine".

77/Del/84. Exxon Research & Engineering Company, "Improved catalytic gas synthesis process and apparatus".

78/Del/84. Duracell International Inc., "Insoluble heavy Metal polysulfide cathodes".

79/Del/84. Sarojini John, "A solid state automatic voltage regulator".

29th February, 1984

80/Del/84. Cement Research Institute of India, "A burner for use in a kiln of a cement plant".

181/Del/84. Sonti Venkata Krishnamurthy & Gautam Sonti, "A pitch fibre pipes".

182/Del/84. Cement Research Institute of India, "A burner for use in a rotary kiln of a cement plant".

183/Del/84. Bayer Aktiengesellschaft, "Process and composition for viscosity degradation of diene rubbers".

184/Del/84. IBM Canada Limited, "Method and system for the generation of arabic script". (May 17, 1983).

185/Del/84. Energy Conversion Devices, Inc., "Method and apparatus for measuring thin film thickness".

186/Del/84. Omnimax Energy Corporation, "High efficiency thermopile".

187/Del/84. Pentanyl Technologies, Inc., "Integrated ionic liquefaction process".

188/Del/84. Fuller Company, "Flap valve".

189/Del/84. Council of Scientific and Industrial Research, "A process for the synthesis of 3- substituted-9H-pyrido (3, 4, -B) indole carbamates". (Divisional date June 29, 1981).

190/Del/84. Council of Scientific and Industrial Research, "A process for the synthesis of 3- substituted-9H-pyrido (3, 4-B) indoles esters". (Divisional date June 29, 1981).

191/Del/84. Council of Scientific and Industrial Research, "Preparation of substituted alkyl cyclohexyl, cyclohexylalkyl, aryl, aralkyl, esters of 2, 2 dimethyl-3-(2-oxopropyl) cyclopropane acetic acid and 2, 2 dimethyl-3-(n-propyl) cyclopropane acetic acid derived from (+) 3-carene as potential miticides by the reaction with thionyl chloride".

1st March, 1984

192/Del/84. Ravi Raj Gupta, "A process for the manufacture of glass tiles".

2nd March, 1984

193/Del/84. C-1-L Inc., "Water-in-wax emulsion blasting agents".

194/Del/84. American Flange & Manufacturing Co. Inc., "Tear open closure assembly".

195/Del/84. Ferranti Plc., "Photographic film copying apparatus". (March 11, 1983).

196/Del/84. DLF Universal Limited, "A lamination for use in a stator and rotor of an a.c./d.c. Motor".

197/Del/84. DLF Universal Limited, "An improved construction of a lamination for use in electrical motors".

198/Del/84. Sayed Aftab Ahmed, "Chair Nail (Plastic)".

5th March 1984

199/Del/84. Uniroyal Inc., "Ethylene alphaolefin lubricating composition".

200/Del/84. Esco Corporation, "Two piece cutting edge construction".

201/Del/84. Esco Corporation, "Mounting for excavating implement and method".

202/Del/84. Uniroyal, Inc., "Ethylene alphaolefin lubricating composition".

6th March, 1984

203/Del/84. Warner Lambert Company, "Powdered center filled chewing gum composition".

204/Del/84. Bendix Limited, "Noise reducing device". (March 11, 1983).

205/Del/84. The Babcock & Wilcox Company, "Control system for ethylene polymerization reactor".

206/Del/84. Bassetti S.P.A., "Device for gathering a portion of an article made of fabric and/or non-woven fabric and for the stable retention of said portion in said gathered position".

207/Del/84. The British Petroleum Company P.L.C., "Crystalline zincosilicate". (April 8, 1983).

208/Del/84. Warner Lambert Company, "Kola flavored chewing gum and preparation thereof".

209/Del/84. Cement Research Institute of India, "An impermeable bag for packaging of cement".

210/Del/84. Kapcompany General Limited, "A biogas digester".

211/Del/84. Taruk Plastics Pvt. Ltd., "A door closure".

7th March, 1984

- 212/Del/84. Imperial Chemical Industries PLC., "Electrolytic cell". (March 24, 1983).
- 213/Del/84. UOP INC., "Generator synchronization in power recovery units".
- 214/Del/84. Arcu Armaturindustri AB., "A sequentially controlled water mixer".
- 215/Del/84. Process Evaluation And Development Corporation, "Thermomechanical digestion process using bleachants".
- 216/Del/84. Process Evaluation And Development Corporation, "Digestion Process".

8th March, 1984

- 217/Del/84. Varian Associates, Inc., "Stabilized microwave power amplifier system".
- 218/Del/84. Paul Wurth S.A., "Apparatus for plugging tap holes of shaft furnances".
- 219/Del/84. Krupp Koppers GMBH., "Process for treating the waste water from the "Wet" production of phosphoric acid".
- 220/Del/84. CCL Systems Limited., "Wedge type anchorage device".
- 221/Del/84. CCL Systems Limited., "Jack for prestressed concrete structures".

9th March, 1984

- 222/Del/84. USS Engineers and Consultants, Inc., "Bonded valve with replaceable insert".

12th March, 1984

- 223/Del/84. Societe Nationale Industrielle Aerospatiale, "Variable pitch multi-blade propeller incorporating individually dismountable blades made of composite materials, process for manufacturing such blades and blades thus produced".
- 224/Del/84. Card-O-Matic Pty. Ltd. "Winding and insulation insert device". (March 31, 1983).

13th March, 1984

- 225/Del/84. Cement Research Institute, of India, "An impermeable bag for packaging of cement".
- 226/Del/84. Vijay Kaul. "An electrical generator".
- 227/Del/84. Diab-Barracuda AB., "Thermal and optical camouflage".
- 228/Del/84. Exxon Research and Engineering Company, "improved process for the manufacture of halogenated polymers".
- 229/Del/84. Societe De Conseils De Recherches Et D' Applications Scientifiques (S.C.R.A.S.) "Furo-(3, 4-c)-pyridine derivatives preparation thereof and therapeutic compositions containing the same". (April 5, 1983 & October 18, 1983).
- 230/Del/84. Prashant Gupta, Vibhu Agrawal, Prashant Kumar & S. Sampath, "Back pack cum chair".
- 231/Del/84. Bharat Heavy Electricals Limited, "Improve-material conveyor surfaces due to erosics", engines".
- 232/Del/84. Bharat Heavy Electricals Limited, "Improved solid material handling equipments and method of reducing and/or preventing damage to solid material conveyor surfaces due to erosion".
- 233/Del/84. Bharat Heavy Electricals Limited, "An improved kiln furniture material and method of making same".
- 234/Del/84. Bharat Heavy Electricals Limited, "Improvement in or relating to parting bolt rings".

- 235/Del/84. Bharat Heavy Electricals Limited, "Improvements in or relating to metallic welding nozzles".

- 236 Del/84. Super Parts Private Limited, An improved portable gas cooking appliance".

14th March, 1984

- 237/Del/84. The Lubrizol Corporation, "Phosphorus containing metal salts/sulfurized phenate compositions/aromatic substituted triazoles, concentrates and functional fluids containing same".

- 238/Del/84. UOP INC., "A hydrocarbon conversion catalyst and use thereof".

15th March, 1984

- 239/Del/84. Exxon Research And Engineering Company, "A method for the preparation of homopolymers of C₃-C₇ isoolefins or butyl rubber copolymers". [Divisional date July 21, 1980].

16th March, 1984

- 240/Del/84. The B. F. Goodrich Company, "Magnetic recording tape".

- 241/Del/84. Shri Ram Institute for Industrial Research, "A printing paste for printing of jute or jute laminated material".

APPLICATION FOR PATENTS FILED IN THE PATENT OFFICE BOMBAY AT TODI ESTATES THIRD FLOOR LOWER PAREL WEST BOMBAY-13

13th February, 1984

- 37/Bom/84. Sunil Madhukar Lokhande, An improved television antenna.

- 38/Bom/84. Pradip Waman Desai, An improved autoclave for reclaiming rubber.

- 39/Bom/84. Cemindia Co. Ltd., A novel flexible fabric form work.

15th February, 1984

- 40/Bom/84. Mrs. Mangala Madhukar Chaudhari & another, Multiple Programme Tape Recorder Improvements in or relating to a tape recorder to record/play multiple programme on the tape.

17th February, 1984

- 41/Bom/84. The Ahmedabad Manufacturing & Calico printing Co. Ltd., A process for printing of fabric.

- 42/Bom/84. Dholaria Karsan Ramjibhai, A water lifting device operated by steam.

18th February, 1984

- 43/Bom/84. Prof. Dr. Med. Dieter Rahland, Auto transfusion apparatus.

20th February, 1984

- 44/Bom/84. Agarwal Texmac Agency, Bobbin holder for use in textile industries.

21st February, 1984

- 45/Bom/84. Mitsubishi Denki Kabushiki Kaisha, Control device for electric vehicle.

22nd February, 1984

- 46/Bom/84. Shivaprasad H Thaker, Rotodex Rotating filing cabinet.

23rd February, 1984

- 47/Bom/84. Bajaj Auto Ltd., Improvements in or relating to power transmission systems for motor vehicles.

24th February, 1984

48/Bom/84. Marathe Research Foundation, A novel device for protection of electric motors of all kind.

25th February, 1984

49/Bom/84. Shivaprasad H Thaker, Vitamuna up to date household handy flour mill for grains and spices dry or wet.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

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CLASS : 62 D. 152884.

Int. Cl. D 01 d 1/00.

A THREAD TEXTURISING NOZZLE.

Applicants : MASCHINENFABRIK RIETER A. G., OF WINTERTHUR, SWITZERLAND.

Inventors : 1. WERNER NABULON AND 2. ARMIN WIRZ.

Application No. 344/Cal/81 filed March 28, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

31 Claims.

A thread texturising nozzle in which thread can be texturised while moving along a generally straight path through the nozzle, the nozzle comprising,

means (64B, 86A, 87A, 140) to bring together a thread to be texturised and treatment fluid at a junction location on said path,

a texturising chamber (28) providing a section of said path downstream from said junction location considered in the direction of movement of the thread through the nozzle and having a perforated wall to permit fluid to pass out of the chamber in a direction transverse to the path, and

a guide passage (26B) providing said path between said junction location and said texturising chamber, characterised in that

said means to bring together thread and fluid comprises a thread infeed passage (64B) opening onto said junction location and a single fluid infeed passage (140) extending along an axis inclined at a small angle to the thread infeed passage and debouching onto said junction location.

said thread infeed passage (64B) being offset relative to said guide passage (26B) so that the treatment fluid urges the thread towards one side of said guide passage.

Compl. Specn. 39 Pages.

Drgs. 4 Sheets.

CLASS : 198 A.

152885.

Int. Cl. B'04 b 3/04.

A SPIRAL SEPARATOR.

Applicants : INHEED PTY. LTD., OF MAIN STREET, MURWILLUMBAH, NEW SOUTH WALES, 2484, AUSTRALIA.

Inventors : DOUGLAS CHARLES WRIGHT.

Application No. 366/Cal/81 filed April 2, 1981.

Convention date 30th April, 1980 (PE. 3345) Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A spiral separator including an upright column and supported with its axis substantially vertical which is adapted to receive at an upper end thereof a pulp of water and particles to be separated, said spiral separator also including a plurality of helical turns mounted to said upright column wherein at least in a top portion of the separator there is provided a channel located on an outer part of the separator which is initially narrow and deep and becomes progressively wider to enable the particles to obtain or maintain an initial velocity so as to maintain the flow of pulp without the coarser and/or less dense particles becoming stationary or stranding and wherein the coarser and/or less dense particles may be retained in an outer section of the channel and the finer and/or denser particles may move toward an inner section of the channel and be retained in said inner section.

Compl. Specn. 12 Pages.

Drgs. 2 Sheets.

CLASS : 73.

152886.

Int. Cl. D 06 c 3/00.

IMPROVEMENTS IN A PROCESS FOR THE MANUFACTURE OF COMPACTED TEXTILE, PAPER AND PAPER CONTAINING A MAN MADE FABRIC WEB AND FABRIC WEBS COMPACTED BY THIS PROCESS.

Applicants : HUNT & MOSCROP LIMITED OF P.O. BOX 5, SPRINGS STREET, MIDDLETON, COUNTRY OF LANCASTER, ENGLAND.

Inventors : CHARLES HERBERT HILTON.

Application No. 79/Cal/80 filed January 21, 1980.

Convention date 8th March, 1979 (08242/79) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

Improvement in a process for the manufacture of compacted textile, paper and paper containing a man made fabric web in a machine in which the web passes between a driven pressure roller and an endless belt passing over a driver and idling roller mounted for movement longitudinally of the belt in block arranged transversely of the machine and providing a nip between the pressure roller and the belt, the improvement wherein comprises eliminating pre-moisterising and

after drying of the web during compaction by driving the pressure roller at a higher speed than the belt roller which is capable of imparting a greater arc of contact and additional compact energy and imparting a braking action on the driving belt roller due to the slower driven speed of the belt roller relatively to that of the pressure roller, driving the pressure roller through a variable speed drive motor and reduction gear, driving the belt roller through a second variable speed driver motor and reduction gear, moving the belt rollers horizontally relatively to the pressure roller to vary the arc of contact of the web during the pressure roller and the endless belt of 0° to 78° to give greater reaction of the belt after release from the nip to enable the compaction process to be carried out on a dry web and therefore eliminating after drying.

Compl. Specn. 11 Pages.

Drgs. 3 Sheets.

CLASS : 172 D1. 1, 7 & 8.

152887.

Int. Cl. D 01 h 1/00.

THREAD GUIDE FOR RING SPINNING AND RING TWISTING MACHINES.

Applicants : MASCHINENFABRIK RIETER A.G., OF WINTERTHUR, SWITZERLAND.

Inventors : ARTHUR WURMLI.

Application No. 132/Cal/80 filed February 4, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

Thread guide for ring spinning and ring twisting machines, with a thread guide lappet, with a thread guide eyelet formed by a wire wound in approximately helical form, which is mounted onto the thread guide lappet using a screw, and which defines the point of the thread balloon, and with a thread catching device, characterized in that the thread catching device arranged below the thread guide eyelet (3, 18) consists of an extension (13a) of the mounting screw (13) extending downward in operating position.

Compl. Specn. 12 pages.

Drg. 1 Sheet.

CLASS : 70 C.

152888.

Int. Cl. C 22 d 1/00.

PRODUCTION OF LEAD FROM ORES AND CONCENTRATES.

Applicants : DEXTEC METALLURGICAL PTY., LTD., OF 169 MILLER STREET, NORTH SYDNEY, NEW SOUTH WALES, 2060, AUSTRALIA.

Inventors : PETER KENNETH EVERETT.

Application No. 407/Cal/80 filed April 8, 1980.

Convention date 9th April, 1979 (PD 8329) Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A process for selectively recovering lead from a lead bearing ore or concentrate in an electrolytic cell having at least one anode and one cathode, said process comprising (1) contacting the ore or concentrate with an aqueous electrolyte containing chloride ions as herein described and (2) maintaining the electrolyte at a temperature ranging up to the boiling point of the electrolyte and at a pH of up to 7 while applying a low anode current density such as herein described,

Whereby sulphur present in the ore or concentrate is substantially converted to elemental form and lead is taken into solution whilst any other base metal existing in the ore or concentrate remains substantially undissolved, and (3) cathodically recovering said lead.

Compl. Specn. 11 pages.

Drg. 1 Sheet.

CLASS : 25A.

152889.

Int. Cl. B 28 b 3/00; E 04 c 1/06.

BRICKS.

Applicants & Inventors : KHOO TIAN OF 316B, JALAN PUDU, KUALA LUMPUR, MALAYSIA.

Convention date 11th April, 1979 (12715/79) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A brick characterised in that its top surface and at least one of the two end surfaces are formed with an indented region such that a plurality of identical bricks can be bonded together by placing a bonding agent in the said indented regions to form thereby a wall or other structure in which the bonding agent is fully concealed, the indented region on the top surface of the brick being in the form of a V-shaped depression extending lengthwise along the brick and occupying a major proportion of the top surface of the brick and in that the bottom surface of the brick is formed as hereinbefore described with at least one indented channel or groove extending lengthwise in said bottom surface.

Compl. Specn. 9 pages.

Drg. 4 Sheets.

CLASS : 85J.

152890.

Int. Cl. F27 d 1/16.

A METHOD OF LINING A METALLURGICAL UNIT BY FLAME SPRAYING GUNITE.

Applicants : 1. DONETSKY NAUCHNO-ISSLEDOVATELSKY INSTITUT CHERNOI METALLURGII, OF DONETSK, BULVAR SHEVCHENKO, 26, USSR. AND 2. KARAGANDINSKY METALLURGICHESKY KOMBI NAT OF TEMIRTAU, PROSPEKT LENINA, 1, USSR.

Inventors : 1. VENIAMIN VASILIEVICH ANTONOV, 2. JURYIZRAILEVICH BAT, 3. EDVIN IOSIFOVICH GAMALEI, 4. FEDOR EGOROVICH DOLZHENKOV, 5. SEMEN ARONOVICH DONSKOI, 6. VALENTIN ARSENTIEVICH KULICHENKO, 7. OLEG IVANOVICH TISHCHENKO, 8. EVGENY DMITRIEVICH SHTEPA AND 9. VIKTOR MIRONOVICH CHERVONENKO.

Application No. 514/Cal/80 filed May 3, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim.

A method of lining a metallurgical unit by flame spraying gunite, comprising feeding a mixture of a refractory material and a fuel in the form of an axially symmetrical central jet and oxygen in the form of an annular narrow jet rotating about its axis and coaxial relative to the flow of refractory material and fuel, subsequent heating and melting of the refractory material in a high-temperature flame to form a liquid phase, and depositing the liquid phase of the refractory material on to the metallurgical unit, the ratio between the angular momentum of the oxygen flow to that of the refractory material and fuel flow being in the range of from 0.3 to 3.0.

Compl. Specn. 21 pages.

Drgs. 1 Sheet.

CLASS : 112F.

152891.

Int. Cl. G02 b 5/12.

REFLEX REFLECTOR DEVICE.

Applicants : LUCAS INDUSTRIES LIMITED OF GREAT KING STREET, BIRMINGHAM B19 2XF, ENGLAND.

Inventors : KENNETH JAMES JONTS.

Application No. 518/Cal/80 filed May 5, 1980.

Convention date 4th May 1979 (15530/79), 16th October 1979 (35911/79) and 8th November 1979 (38779/79) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A reflex reflector device comprising a first reflex reflector having corner cube reflecting elements, and a second reflex reflector disposed behind the first reflex reflector, the second reflex reflector having corner cube reflecting elements which have a linear size less than that of the corner cube reflecting elements of the first reflex reflector.

Compl. Specn. 21 pages.

Drq. 3 Sheets.

CLASS : 40F, 88F.

152892.

Int. Cl. B01 d 53/00; C10 k 1/00.

AN IMPROVED PROCESS FOR THE PURIFICATION OF AN INDUSTRIAL GAS STREAM.

Applicants : UNION CARBIDE CORPORATION OF 270 PARK AVENUE, NEW YORK-10017, UNITED STATES OF AMERICA.

Inventors : 1. ROBERT ALLEN JONES JR., 2. GEORGE ERNEST KELLER II AND 3. ARTHUR ERNEST MARCINKOWSKY.

Application No. 569/Cal/80 filed May 13, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

An improved process for the purification of an industrial gas stream of hydrogen, carbon monoxide, air, nitrogen, oxygen, helium, argon, mono-clefins having from two to five carbon atoms per molecule, diolefins having four or five carbon atoms per molecule, paraffins, or acetylenes, by the removal of trace impurities therein, of at least one of water, hydrogen sulfide, carbon dioxide, carbonyl sulfide, sulfur dioxide, hydrogen chloride, hydrogen cyanide, nitric acid, and mercaptans characterised in contacting said gas, at a temperature between 15 and 100°C., with a non-aqueous, chemically stable solution having a low pressure and a low viscosity comprising from 0.5 to 15 weight percent of alkali or alkaline earth metal, measured as its hydroxide or weak inorganic acid salt, in a liquid aliphatic polyhydric alcohol having a carbon to oxygen ratio of one to about five, and at least two oxygen atoms thereof being separated by not more than two sequential carbon atoms.

Compl. Specn. 39 pages.

Drqs. 5 Sheets.

CLASS : 136E.

152893.

Int. Cl. B29 f 3/00; B30 b 11/00.

AN EXTRUSION PROCESS FOR THE PLASTIC SHAPING OF MATERIAL.

Applicants : INSTITUTE PO METALOZNANIE I TECHNOLOGIA NA METALITE OF 53, CHAPAEV STREET, SOFIA, BULGARIA.

Inventors : 1. BOYAN IVANOV PAUNOV, 2. TEODOR ANGELOV BAILEVSKI AND 3. BOJIDAR STEFANOV IVANOV.

Application No. 605/Cal/80 filed May 23, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

Apparatus for carrying out an extrusion process for the plastic shaping of material comprising a container to receive a billet of stock material to be shaped, a plurality of elements to apply pressure to such stock material and a power generating element arranged to transmit a pulsating force to the pressure-applying elements through corresponding bodies to ensure that, during each cycle of pulsation, the applied pressure is concentrated consecutively upon separate sections of the contact surface of stock material being shaped.

Compl. Specn. 11 pages.

Drqs. 6 Sheets.

CLASS : 108 B₂ a.

152894.

Int. Cl. C21 b 5/00.

IMPROVED PROCESS FOR THE PRODUCTION OF PIG IRON IN A BLAST FURNACE.

Applicants : STEEL AUTHORITY OF INDIA LTD., O.P.O. HINOO, DORANDA, RANCHI-834002, INDIA.

Inventors : 1. SABITA KANT GUPTA, 2. S DHARAMIPALAN, 3. BALBODH THAKUR, 4. OM PRAKASH SHARMA, 5. AMITAVA GHOSH HAZRA.

Application No. 799/Cal/80 filed July 11, 1980.

Complete Specification left April 25, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

An improved process for the production of pig iron in a blast furnace wherein improvement comprises in obtaining a more fluid bosh slag while charging coke containing more than 22% ash and one or more iron bearing materials having a ratio of $Al_2O_3 : SiO_2$ more than one and simultaneously injecting into said blast furnace powdered lime and/or one or more fluxing materials through tuyeres or blow pipes thereby increasing the productivity of the blast furnace with reduction in the fuel rate and content of silicon and sulphur in the pig iron.

Compl. Specn. 22 pages.

Drqs. Nil.

CLASS : 32F₂ a & b.

152895.

Int. Cl. C07 c 147/12.

PROCESS FOR PRODUCING A SULFURIC ACID SEMIESTER OF AMINOARYL COMPOUNDS.

Applicants : SUMITOMO CHEMICAL COMPANY, LIMITED OF 15, KITAHAMA-5-CHOME, HIGASHI-KU, OSAKA, JAPAN.

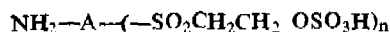
Inventors : 1. NOBUZI NISHIMURA, 2. UTAZI SAWA, 3. TAKEMI TOKIEDA, 4. SHUN-ICHI HAYAKAWA, 5. YASUO TEZUKA.

Application No. 801/Cal/80 filed July 11, 1980.

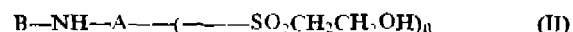
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A process for producing a sulfuric acid semilester of the formula (I) :



wherein A is a phenylene or naphthalene or group of formula 1, 2 or 3 of the accompanying drawings which may be substituted with one or two methyl, methoxy, hydroxy, chloro or sulfonic acid group and n is an integer of 1 or 2, which comprises subjecting a mixture of an acid and a compound of the formula (II)* :



wherein A and n are as defined above, and B is hydrogen or a group capable of being hydrolysed by an acid, to heating to temperature of at least 40°C, the volatile matter of the reaction due to heating being simultaneously removed by azeotropy with an organic solvent, evaporation or vaporization, said acid being as herein described.

Compl. Specn. 46 pages.

Drq. 1 Sheet.

CLASS : 151E & G.

152896.

Int. Cl. G 01 f 23/00.

DEVICE FOR MEASURING THE RATE OF LEAKAGE OF LIQUID INTO AND OUT OF STORAGE TANKS.

Applicants : SUN OIL COMPANY OF 1608 WALNUT STREET PHILADELPHIA, PENNSYLVANIA 19103, U.S.A.

Inventor : 1. WILLIAM BRAY HANSEL AND 2. EARL WOODROW SMITH.

Application No. 1113/Cal/80 filed September 30, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A device for measuring leakage of liquid into or out of a storage tank normally at atmospheric pressure comprising a freely suspended sensor, means for introducing the sensor into the tank through the fill pipe or other access hole of the tank, means for sensing mass of the liquid displacement coupled to the sensor, means for observing the change of displacement of the said sensor over a long period of time for determining change of liquid mass in the tank.

Compl. Specn 9 pages.

Drg. 4 Sheets.

CLASS : 62C; 154D.

152897.

Int. Cl. C09 b 65/00, 67/00, C09 d 3/00.

A PULVERULENT OR LIQUID DYESTUFF COMPOSITION.

Applicants : HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. MANFRED SCHNEIDER, 2. HUBERT KRUSE, 3. KONARD OPITZ, & 4. SIEGFRIED BILFENS-TEIN.

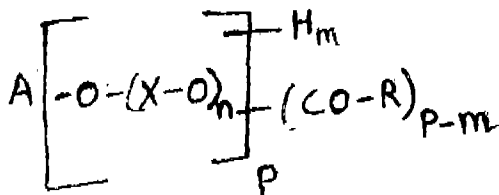
Application No. 1209/Cal/80 filed October 24, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

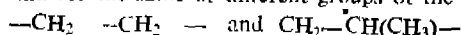
12 Claims.

A pulverulent or liquid dyestuff composition containing 5 to 90% by weight of a disperse dyestuff or vat dyestuff which is insoluble or sparingly soluble in water and is finely dispersed to a particle size of in general less than 5 μ m.

2 to 30% by weight of a water-soluble ester of the general formula I of the accompanying drawings



wherein A is the residue of an aliphatic or cyclo-aliphatic dihydric to hexahydric alcohol of 2 to 10 carbon atoms, the X's stand for the same or different groups of the formulae



R-CO- is the acyl radical of a carboxylic acid having up to 22 carbon atoms, the n's stand for the same or different numbers of 8 to 150, m is an integer of zero to 4, p is an integer of 2 to 6, with the proviso that p-m is at least 2, and upto 70% by weight of water and/or water retention agents, and optionally.

conventional dispersants and adjuvants.

Compl. Specn. 19 pages.

Drgs. 2 Sheets.

CLASS : 31 C.

152898.

Int. Cl. H 01 I 9/00.

SOLID-STATE SWITCHING DEVICE.

Application : WESTERN ELECTRIC COMPANY, INCORPORATE OF 222 BROADWAY, NEW YORK CITY, NEW YORK STATE, UNITED STATES OF AMERICA.

Inventors : 1. ADRIAN RALPH HARTMAN, 2. BERNARD THOMAS MURPHY, 3. TERENCE JAMES RILEY AND 4. PETER WILLIAM SHACKLE.

Application No. 1327/Cal/80 filed November 28, 1980.

Convention date 28th November, 1979 (340, 799/79) Canada & 14th December, 1979 (53868/79) Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A solid-state switching device comprising : a semiconductor body having a bulk portion of a first conductivity type and having first and second mutually opposed major surfaces; a first region of the first conductivity type; a second region of a second conductivity type opposite to the first conductivity type; and a gate region of the second conductivity type; the first second and gate regions being mutually disjoint regions within the body and having resistivities lower than the resistivity of the bulk portion; the first and second regions being at the first major surface and the gate region being at the second major surface; whereby in operation a depletion region can be formed in the bulk portion by application of a suitable potential to the gate region substantially preventing current flow between the first and second regions and in the absence of such a depletion region current flow between the first and second regions can be established, the said current flow being facilitated by injection of majority carriers into the bulk portion from the first region and injection of minority carriers into the bulk portion from the second region.

Compl. Specn. 15 pages.

Drgs. 4 Sheets.

CLASS : 25A & E.

152899.

Int. Cl. C04 b 35/00.

IMPROVEMENTS IN SQUARE/RECTANGULAR CERAMIC TILES.

Applicants : H & R JOHNSON-RICHARDS TILES LIMITED OF P.O. BOX NO. 1, TUNSTALL, STOKFON-TRENT, STAFFORDSHIRE, ENGLAND.

Inventors : 1. STANLEY BERTRAM JOHNSON AND 2. SPENCER FORD.

Application No. 271/Cal/79 filed March 20, 1979.

Convention date 28th March 1978 (11966/78) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A square or rectangular ceramic tile at least two adjacent edges of which are inclined outwardly from the face towards the back of the tile at an equal constant angle of between 5° and 25° throughout their lengths and widths.

Compl. Specn. 11 pages.

Drg. 1 Sheet.

CLASS : 94-G.

152900.

Int. Cl. B02 C 19/12.

A CUTTER FOR A ROTARY SHREDDING MACHINE.

Applicants : METAL BOD LIMITED OF QUEENS HOUSE, FORBURY ROAD, READING RG1 3JH, ENGLAND.

Inventors : 1. JOHN PATRICK HARDWICK, 2. MICHAEL JOHN PEZET, 3. ASADALLAH AGAMALFKY SARVESTANY AND 4. DAYANANDA SATHARA SINGHE.

Application No. 693/Cal/79 filed July 5, 1979.

Convention date 5th July, 1978 (28953/78) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A cutter for a rotary shredding machine comprising a plurality of body members secured together by releasable fastening means to form a generally disc-like cutter body, at least one of said body members having a radially-projecting peripheral tooth having a cutting edge along a leading edge of the tooth, wherein each body member has two first surface portions extending chordally from the body periphery and joined by a second surface portion for engaging a cutter shaft, of substantially square cross-section, of the machine, the said second surface portions together defining a square shaft aperture through the cutter body, each first surface portion being juxtaposed with a parallel corresponding said first surface portion of the next adjacent body member, and each said cutting edge being intersected by a radial plane inclined at an angle in the range 0° to 60° with respect to a diametral plane bisecting one side of the shaft aperture, said angle being defined forward of the cutting edge in the direction of rotation.

Compl. Specn. 16 pages.

Drg. 4 Sheets.

CLASS : 131B₃ & 138F.

152901.

Int. Cl. E21d 15/28.

A FRICTION CLAMP AND A FRICTION PROPIN-CORPORATING SUCH A CLAMP.

Applicants : BURN STANDARD COMPANY LIMITED, OF BURNPUR WORDS, BURNPUR, BURDWAN, WEST BENGAL, INDIA..

Inventors : BUDDHADEVA GHOSH.

Application No. 822/Cal/79 filed August, 8, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A friction clamp comprising two opposed clamping members accomodating two portions of a ring adapted to surround one of two tubular members to be clamped in relation to the other said tubular member, said ring being cut out to permit circumferential contraction or expansion thereof in relation to said member to be clamped, said clamping members being rigidly fitted at one end to the upper end of the other tubular member, and being provided with a locking device adjustably connecting the free ends thereof, and also being adapted to receive one or more wedge members in relation to said locking device and one of the portions of said ring such that on wedging action being applied through said wedge members uniform radial pressure is created around the periphery of said member to be clamped through said two portions of the ring, and thereby the desired friction resistance is set up for clamping said two tubular members.

Compl. Specn. 13 pages.

Drgs. 1 Sheet.

CLASS : 31A.

152902.

Int. Cl. H01g 9/00.

CAPACITOR HAVING DIELECTRIC FLUID WITH HIGH DI-ISOPROPYL BIPHENYL CONTENT.

Applicants : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : 1. LYON MANDELCORN, 2. GEORGE EDWARD MERCIER.

Application No. 855/Cal/79 filed August 17, 1979.

2—37 GI/84

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A capacitor comprising layers of metal foil alternating with a dielectric spacer impregnated with a dielectric fluid which comprises from 25% to 100% by weight di-isopropyl, biphenyl from 0-80% by weight monoisopropyl, biphenyl and from 0-20% by weight tri-isopropyl biphenol.

Compl. Specn. 9 pages.

Drgs. 1 Sheet.

CLASS : 154F.

152903.

Int. Cl. B41f 13/08.

CYLINDER FOR ROTARY SCREEN PRINTING HAVING HIGH APERTURE RATIO AND PROCESS FOR PREPARATION THEREOF.

Applicant : TOSHIN KOGYO CO., LTD., OF 9-11-36, MINAMI-MUKONOSO, AMAGASAKI, HYOGO-KEN, JAPAN.

Inventors : KUNIO KATSUMA.

Application No. 919/Cal/79 filed September 4, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A cylinder for rotary screen printing having a high aperture ratio which comprises a seamless mesh cylindrical body of a metal formed by electric plating, each of meshes of the seamless cylinder comprising a primary metal plating mesh substrate having a semicylindrical section in which the inner face side is flat and the outer face side is curved and a secondary metal plating layer applied in a uniform thickness to the periphery of said mesh substrate.

Compl. Specn. 13 pages.

Drgs. 1 Sheet.

CLASS : 116B & G.

152904.

Int. Cl. B63 b 27/00, 27/24.

CARGO HANDLING EQUIPMENT USED AT THE SHORE OF A RIVER OR A CREEK.

Applicants : MITSUBISHI JUKOGYO KABUSHIKI KAISHA, OF 5-1, MARUNOUCHI 2-CHOME, CHIYO-DA-KU, TOKYO, JAPAN.

Inventors : 1. SEIZI AKIYAMA, 2. MAMORU KURIHARA & 3. KAZUHIKO Ueki.

Application No. 920/Cal/79 filed September 4, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

A cargo handling equipment comprising : a stationary column installed offshore of a river or a creek, a stationary bridge bridging the shore of said river or creek and said stationary column and provided with a cargo transportation means, a movable bridge swingably connected to said stationary column and provided with another cargo transportation means wherein the improvement is that a floating body is detachably secured to the free end of said movable bridge and provided with legs which are vertically movable and can reach the bottom of the water.

Compl. Specn. 7 pages.

Drgs. 2 Sheets.

CLASS : 107C & G & 175H.

152905.

Int. Cl. F16j 9/00.

METHOD AND APPARATUS FOR MANUFACTURING PISTON RINGS.

Applicants : DANA CORPORATION, OF 4500 DORR STREET, TOLEDO, OHIO, UNITED STATES OF AMERICA.

Inventors : ROBERT L. SHARPE.

Application No. 1001/Cal/79 filed September 24, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

The method of manufacturing a split piston ring for a fluid pressure system wherein the ring has at least one inwardly converging surface including the steps of :

Constraining the ring;

placing the inwardly converging ring surface against a spherical surface having abrasive material thereon capable of contouring the ring surface;

causing the spherical surface to rotate about its centre, and

applying sufficient pressure to the ring to cause the inwardly converging surface thereof to be brought into intimate contact with the spherical surface along a path passing through the center of the spherical surface for an interval to cause the contacting ring surface to be conveniently ground to a curved cross section across the width thereof.

Compl. Specn. 19 pages.

Drgs. 3 Sheets.

CLASS : 37C.

152906.

Int. Cl. B04b 13/00.

IMPROVED CYCLICAL CENTRIFUGAL MACHINE AND A SYSTEM FOR CONTROLLING TRANSMISSION OF TORQUE.

Applicants : THE WESTERN STATES MACHINE COMPANY, AT 1798 FAIRGROVE AVENUE, HAMILTON, OHIO 45012, U.S.A.

Inventors : JOSEPH BERNARD BANGE.

Application No. 1233/Cal/79 filed on November, 26, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A cyclical centrifugal machine including a solids retaining centrifugal basket and an AC rotary electric motor for driving the basket wherein the system for controlling transmission of torque from the motor to the basket comprises.

Clutch means including relatively rotatable confronting clutch members adapted to transmit torque through liquid films between them, one set of said members being rotatable with said motor and a second set of said members being rotatable with said basket, means for circulating a liquid to and between said clutch members for torque transmission and from said members for dissipation of heat from the liquid, and means for displacing at least one of said sets of said clutch members relative to the other set thereof to vary the pressure applied and thus the torque to be transmitted by said clutch means through said films;

means for generating a load signal proportionate to the load on said motor during its operation;

means for generating a speed signal proportionate to the speed of said basket;

means for generating a load reference signal representing maximum load to be placed on said motor;

means for generating a speed reference signal representing a desired basket speed;

means for comparing said signals and for producing from them a resultant signal representing at any given moment the relationship of the actual load on said motor to said maximum load; and

means responsive to said resultant signal for operating said displacing means and thus varying said torque so as to produce said maximum load on the motor.

Compl. Specn. 22 pages.

Drgs. 4 Sheets.

CLASS : 114D.

152907.

Int. Cl. C14b 17/00, 17/08.

APPARATUS FOR HIDE STRETCHING.

Applicants : ANTI K. VILJANMAA, OF 4 A 8, 34800 VIRRAT, FINLAND.

Inventors : ANTI K. VILJANMAA.

Application No. 69/Cal/80 filed on January, 18, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

Apparatus for hide stretching, particularly for tentering wet hides for drying, the apparatus comprising a stretching frame (1) and stretching clamps (4) to be secured to the margin of the hide and arranged to be movable to and from by means of clamp displacing members (12) provided on a hide changing table (10) along radial sliding guides (2) fitted on the stretching frame (1), characterized in that the hide changing table is provided with radial, adjacent to sliding guides (2) fittable support strips (24), and that the apparatus is provided with a vertically movable press means (28) fitted with radial press members (33) which are pressable upon the support strips (24) for holding the hide (11) in position between the support strips and press members when securing the stretching clamps to the margin of the hide.

Compl. Specn. 7 pages.

Drgs. 3 Sheets.

CLASS : 116B.

152908.

Int. Cl. B61c 13/00.

A BUNKER CLEARANCE VEHICLE.

Applicant : LOTHAR TESKE, OF HEGELSTR 15, 5000 KOLN 90, WEST GERMANY.

Inventors : LOTHAR TESKE.

Application No. 216/Cal/80 filed on February 25, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A bunker clearance vehicle drivable in a clearance tunnel for clearing rubble from bunkers, silos and waste heaps, with a clearance wheel operable through hydraulic drive, characterised in that the clearance vehicle has the driving means for the alighting gear, the gears for the alighting gear, the gear for the clearance wheel, a hydraulic pump by the drive motor, a tank for the hydraulic fluid and an oil motor, (16, 17, 18, 19, 20, 21, 22, 23) which are grouped in one casing, which has the maximum the same length as the diameter of the clearance wheel, and the width of which has the same stretch as the hub of the clearance wheel, (9), whereby the above clearance wheel (8) which is set on the underside of the casing, the oil motor (19), the gearing for the alighting gear (18), the gearing for the clearance wheel (17) and the alighting gear motor (16) are all connected to one frame, whereas a stepping unit (23) the oil tank (22), the hydraulic pump (21) and the pump drive motor (20) are grouped behind each other in a second frame which is fixable on the top side of the first frame.

Compl. Specn. 11 pages.

Drgs. 2 Sheets.

CLASS : 39c & K & 88A & F.

152909.

Int. Cl. B01 d 53/00, 53/14, C01b 31/20, S01c 1/00.

PROCESS FOR THE SEPARATION OF AMMONIA AND CARBON DIOXIDE FROM MIXTURES CONTAINING AMMONIA, CARBON DIOXIDE AND WATER.

Applicants : STAMICARBON B.V., OF P.O. BOX 10, GELEEN, THE NETHERLANDS.

Inventors : JOSEPHUS JOHANNES PETRUS MARIA GOORDEN.

Application No. 340/Cal/80 filed March 24, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Process for the separation of substantially pure NH_3 and substantially pure CO_2 from a mixture containing NH_3 , CO_2 and water, in which NH_3 is separated by rectification in NH_3 -separating zone, the resulting liquid phase is fed to a CO_2 separating zone where gaseous CO_2 is separated by rectification, and the resulting liquid phase is fed from the bottom of this zone to a desorption zone, where virtually all NH_3 and CO_2 still contained in this liquid phase are separated as a gaseous mixture, characterized in that the composition of the liquid phase obtained from the bottom of the NH_3 separating zone is so controlled as not to be on the side of the boundary line as hereinbefore defined rich in NH_3 by feeding to the bottom of the NH_3 separating zone gaseous CO_2 or a gaseous mixture containing CO_2 and NH_3 in an amount corresponding to 20 to 1% by weight of the amount of liquid phase resulting from the rectification in the NH_3 separating zone.

Compl Specn. 26 pages.

Drgs. 3 Sheets.

CLASS : 32F₃(b); 32 D & 140A.

152910.

Int. Cl. : C 10 m 5/00.

PROCESS FOR PREPARING MIXED METAL SALTS USEFUL AS ADDITIVE FOR LUBRICANTS OR FUNCTIONAL FLUIDS.

Applicants : THE LUBRIZOL CORPORATION, OF 29400 LAKE LAND BLVD. WICKLIFFE, OHIO 44092, UNITED STATES OF AMERICA.

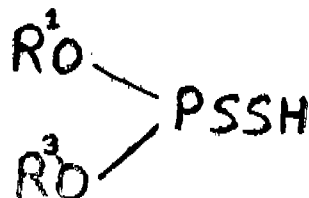
Inventors 1. DONALD LYNN CLASON; 2. CALVIN WILLIAM SCHROECK.

Application No. 424/Cal/80 filed on April, 11, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 claims

A process for preparing mixed metal salts useful as an additives for lubricants or functional fluids which comprises preparing an acid mixture of (A) at least one acid of the formula I



Formula—I

of the accompanying drawing wherein each of R^1 and R^2 is a hydro-carbon-based radical, and (B) at least one aliphatic or alicyclic carboxylic acid; having the formula R^3COOH , wherein R^3 is an aliphatic or alicyclic hydrocarbon-based radical; the ratio of equivalents of A to B being between 0.5 : 1 and 4.5 : 1 by weight and then reacting the said acid mixture with metal salts as herein described in the ratio as

herein described with the proviso that if the metal salt is not a basic salt then the reaction mixture is further reacted with a known metal base.

Comp. Specn. 14 pages.

Drwgs. 1 Sheet.

CLASS : 39 M.

152911.

Int. Cl. C 01 b 25/32.

AN IMPROVED PROCESS FOR THE MANUFACTURE OF FOOD GRADE DICALCIUM PHOSPHATE FROM ROCK PHOSPHATE.

Applicants : THE FERTILIZER (PLANNING & DEVELOPMENT) INDIA LTD., OF C.I.F.T. BUILDINGS, P.O. SINDRI, PIN 828122, DIST DHANBAD, (BIHAR) INDIA.

Inventors : 1. DR. ALAKH DHARI PANDEY, 2. MR. KAJAL KUMAR NALLIK, 3. DR. LALLU SINGH CHAUHAN AND 4. DR. SATYENDRA VARMA.

Application No. 465/Cal/80 filed April 22, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 claims

A process for manufacturing foodgrade dicalcium phosphate directly from rock phosphate which comprises steps of digestion of rock phosphate in dilute nitric acid of 18 to 25% strength, followed by treating neutralising the liquor thus obtained with calcium carbonate at pH value not exceeding P.H. 5.5 so that the neutralisation step with calcium carbonate ensures dissolution of all impurities from the digested liquor along with some amount of dicalcium phosphate and further ensures obtaining dicalcium phosphate of foodgrade without any contamination with the impurities.

Compl. specn. 12 pages. Drg. nil).

CLASS : 40 F.

152912.

Int. Cl. C 02 c 5/00; C 01 c 1/12.

PROCESS FOR TREATING UREA-CONTAINING WASTE WATER FOR RECOVERING NH_3 AND CO_2 THEREFROM AND UTILISING SAID PROCESS IN THE PROCESS FOR PREPARING MELAMINE.

Applicants : STAMICARBON B.V., OF P.O. BOX 10, GELEEN, THE NETHERLANDS.

Inventors : JOSEPHUS JOHANNES PETRUS MARIA GOORDEN.

Application No. 553/Cal/80 filed May 9, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 claims

Process for treating urea-containing waste water for recovering NH_3 and CO_2 therefrom by treating the waste water at elevated temperature and pressure such that urea hydrolysis takes place, and describing the ammonia and carbon dioxide thus formed, characterized in that the said treatment is effected in combination with the separation of substantially pure NH_3 and substantially pure CO_2 from mixture of the same, optionally with water, in an NH_3 separation zone, a CO_2 separation zone and a desorption zone, the urea-containing waste water being fed to one of these zones.

(Compl. specn. 10 pages. Drgs. 2 sheets).

CLASS : 40 F.

152913.

Int. Cl. B 03 b 9/00.

A DEVICE FOR SEPARATING SOLIDS FROM A LIQUID STREAM.

Applicants : TAPROGGF GESELLSCHAFT M.B.H. OF WACHOLDERSTRASSE 7, 4000 DUSSELDORF 31, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. KLAUS EIMER, 2. HEINZ THAL AND
3. DIETER MINDEL.

Application No. 632/Cal/80 filed May 28, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 claims

A device for separating solids from a liquid stream comprising a generally cylindrical separator housing with a vertical axis, an entry channel for the liquid stream requiring treatment opening radially into the separator housing, an exit union for the treated liquid stream connected to the underside of the separator housing, and a discharge channel for an effluent stream containing the separated solids on the far side from the entry channel, a cylindrical separating sieve disposed axially parallel within the separator housing to form an annular space within the separator housing and an adjustable control baffle unit provided centrally in the vicinity of the entry channel whereby the entry channel is divided into two half-channels, the control baffle unit having two control vanes whose setting axes are disposed parallel to the axis of the housing and the vanes being adjustable independently of each other, so that the position of either control vane can be selectively adjusted so as to adjust or close the respective half-channel, on the one hand, on extend across the part of the annular space between the separating sieve and the control baffle unit, on the other hand.

(Compl. specn. 2 pages. Drgs. 2 sheets).

CLASS: 61A.

152914.

Int. Cl. F 23 c 1/00.

METHOD FOR GENERATION OF HOT GAS BY INCINERATION OF COMBUSTIBLE MATERIAL AND APPARATUS FOR GENERATION OF HOT GAS BY INCINERATION OF COMBUSTIBLE MATERIAL.

Applicants : HOKKAIDO SUGAR CO., LTD., OF NO. 1, 2 CHOME, JINBOCHO, KANDA CHIYODA-KU, TOKYO, JAPAN.

Inventors : YOSIMI IWASAKI.

Application No. 672/Cal/80 filed June 6, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 claims

A method for generation of hot gas by the incineration of combustible material which method comprise :

1. continuously blowing air and combustible material capable of being conveyed in the current of air into lower chamber via an inlet opening in the inner wall in the upper section of the lower chamber in a direction tangential to the wall of the lower chamber thereby allowing the incoming mixture of air and the material to form a spirally descending current of burning material along the inner wall of the lower chamber and causing the aforementioned current of burning material to deposit the incandescent residue of combustion toward the bottom of the furnace and give rise to an incandescent layer of ash residue on the furnace bottom.

2. then causing the current of burning material to reverse its course and rise in a spirally ascending path along the inner side of the aforementioned spirally descending current of burning material, pass through the opening in the aforementioned perforated partition wall and enter the upper chamber,

3. continuously blowing air into the upper chamber via an inlet opening in the inner wall in the upper section of the upper chamber in a direction tangential to the wall of the upper chamber and similar to the direction of air blown into the lower chamber, causing the incoming air to flow in a spirally descending path along the inner wall of the upper chamber and, upon arrival of the descending air flow at the upper surface of the partition wall, allowing part of the

air to flow out of the furnace and the greater part thereof the proceed to engulf and entrain the current of burning material having risen from the lower chamber via the perforated partition wall into the upper chamber and give rise to a spirally ascending current within the upper chamber, causing the combustible portion still surviving in the current of burning material having entered the upper chamber to burn out and simultaneously causing the dust still entrained by the current of burning material having entered the upper chamber to be discharged out of the furnace in conjunction with the part of air being discharged at the level of the upper surface of the partition wall and, at the same time, causing the current constituted solely of hot gas to be released for drying the material via the ceiling of the upper chamber, and

4. removing ash via the bottom of the lower chamber at the same rate that ash is produced by the burning of the material so as to maintain constant the thickness of the incandescent layer of ash.

(Compl. specn. 22 pages. Drgs. 2 sheets).

CLASS : 101 B.

152915.

Int. Cl. E 02 b 3/00.

TAILINGS DAM HAVING AN IMPROVED DECANT

Applicants : DAVID DANIEL AUGUST PIESOLD OF WARWICK HOUSE, 25, BUCKINGHAM PALACE ROAD, LONDON SW1W 0PP., ENGLAND.

Inventors : DAVID DANIEL AUGUST PIESOLD.

Application No. 724/Cal/80 filed June 24, 1980.

Convention date July 4, 1979 (23211/79) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 claims

A tailings dam having a decant comprising a pipe which is formed as a coil with axially spaced turns one above the other, the end of the bottom turn being connected to a laterally extending water outlet pipe or other duct and the end of the top turn being open for the flow into it of water from the dam, the turns being of such size in relation to the cross sectional area and wall thickness of the pipe from which they are formed that the coil is compressed axially, as, in use of the dam, tailings are consolidated around the decant without overstressing the pipe.

(Compl. specn. 12 pages. Drgs. 3 sheets).

PATENTS SEALED

151507 151592 151705 151714 151760 151762 151767 151768
151770 151779 151780 151786 151788 151790 151796 151797
151798 151801 151802 151804 151807 151810 151811 151813
151818 151819

AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

The amendments proposed by C. Conradt Nurnberg GmbH & Co., KG., in respect of patent application No. 146923 as advertised in Part III, Section 2 of the Gazette of India dated the 31st October, 1981 have been allowed.

(2)

The amendments proposed by the Standard Oil Company in respect of Patent application No. 149044 as advertised in Part III, Section 2 of the Gazette of India dated the 2nd April, 1983 has been allowed.

(3)

The amendments proposed by Sunkist Growers, Inc., in respect of Patent application No. 141770 as advertised in Part III, Sec. 2 of the Gazette of India dated the 6th March 1982 have been allowed.

(4)

The amendments proposed by Thomas Gunzler in respect of patent application No. 151369 as advertised in Part III, Section 2 of the Gazette of India dated the 29th October, 1983 have been allowed.

(5)

The amendments proposed by Elkem—Spigerverket A/S. in respect of Intent No. 151030 as advertised in Part III, Section 2 of the Gazette of India dated the 15th October, 1983 have been allowed.

RENEWAL FEES PAID

114400 120128 120625 120626 120671 120687 120688 120689
120722 120864 121008 121025 121041 121954 122038 125459
125603 125729 126141 126163 126444 126803 126839 127255
130572 130667 130750 130861 130873 130874 130875 130891
130895 130945 130949 131000 131046 131081 131093 131142
131184 131600 131743 134228 135132 135139 135159 135176
135177 135186 135195 135321 135345 135615 135799 135835
135988 136052 136057 136083 136390 136816 136818 136824
136850 136870 137605 137657 137673 137781 137974 138136
138313 138360 138457 138504 138616 138892 139038 139081
139431 139516 139778 139829 140083 140093 140155 140309
141100 141190 141275 141532 141891 142008 142203 142212
142222 142409 142456 142472 142524 142636 142780 142888
142915 142874 143000 143240 143291 143415 143523 143749
144402 144460 144620 144644 144790 144808 144823 144923
145461 145608 145749 145756 145851 146044 146054 146284
146290 146382 146411 146518 146593 147178 147330 147428
147531 147669 147774 147796 147910 147938 148106 148107
148266 148333 148592 148620 149068 149403 149554 149565
149741 149822 149888 149953 149978 149979 150091 150214
150323 150424 150443 150505 150621 150669 150749 150792
150863 150912 150913 151068 151069 151127 151178 151246
151295 151312 151364

CESSATION OF PATENTS

117253 117255 117266 117268 117285 117286 117287 117312
117318 117328 117329 117334 117345 117350 117353 117354
117364 117365 117367 117376 117385 117386 117399 117404
117408 117413 117417 117424 138032

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 146151 granted to Council of Scientific & Industrial Research for an invention relating to "an improved fermentation process for the preparation of acetoin (2, 3-butanolone, acetylmethylcarbinol). The patent ceased on the 22nd March, 1983 due to non-payment or renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 24th March, 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 28th June, 1984 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the basis his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 150778 granted to Ultrafin, S.A. for an invention relating to "improved cases for cartridges". The patent ceased on the 7th December, 1983 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th March, 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 28th June, 1984 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 148641 granted to Council of Scientific & Industrial Research for an invention relating to "an improved process for solvent de-oiling of crude microcrystalline wax". The patent ceased on the 15th March, 1983 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th March, 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 28th June, 1984 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 148730 granted to Societa Italiana Telecomunicazioni Siemens S.p.a. for an invention relating to "container for electronic devices, particularly for telecommunication apparatus". The patent ceased on the 6th February, 1983 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th March 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 28th June, 1984 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 153907. Bright Engineers, a registered Indian Partnership firm, Indian Nationals, having their principal place of business at 5-Auto Commerce House, Kennedy Bridge, Bombay-400 007. State of Maharashtra, India. "Calamaran". 26th December, 1983.

- Class. 1. No. 153709. M. H. Plastic Works. 797, Bartaan Market, Sadar Bazar, Delhi-110006 an Indian Proprietor concern. "Toy Pistol". 29th November, 1983.
- Class. 1. No. 153139. Beufalis, a partnership firm. "Device for Formation of Pleats on a Curtain". 28th May, 1983.
- Class. 1. No. 153442. Genelec Limited (an existing Company under the Companies Act) at Hindlight House, Subhash Road, Jogeshwari (East), Bombay-400 060, Maharashtra State, India. "Lighting Fitting". 7th September, 1983.
- Class. 1. No. 153443. Genelec Limited (an existing Company under the Companies Act) at Hindlight House, Subhash Road, Jogeshwari (East), Bombay-400 060, Maharashtra State, India. "Lighting Fitting". 7th September, 1983.
- Class. 3. No. 153842. Interlego A/S, a Danish Company, of Aastvej 1, DK-7190 Billund, Denmark. "Toy airplane". 15th December, 1983.
- Class. 3. No. 153844. Interlego A/S, a Danish Company, of Aastvej 1, DK-7190 Billund, Denmark. "Toy figure". 15th December, 1983.
- Class. 3. No. 153846. Interlego A/S, a Danish Company, of Aastvej 1, DK-7190 Billund, Denmark. "Toy figure". 15th December, 1983.
- Class. 3. No. 153847. Interlego A/S, a Danish Company of Aastvej 1, DK-7190 Billund, Denmark. "Toy figure". 15th December, 1983.
- Class. 3. No. 153848. Interlego A/S, a Danish Company, of Aastvej 1, DK-7190 Billund, Denmark. "Toy ferry with loading ramp". 15th December, 1983.
- Class. 3. No. 153849. Interlego A/S, a Danish Company, of Aastvej 1, DK-7190 Billund, Denmark. "Toy Diver and Winch". 15th December, 1983.
- Class. 3. No. 153850. Interlego A/S, a Danish Company, of Aastvej 1, DK-7190 Billund, Denmark. "Toy Switch Rail". 15th December, 1983.
- Class. 3. No. 153994. The Parker Pen Company, a Company organised and existing under the laws of Delaware, United States of America of One Parker Place, Janesville, Wisconsin 53545, United States of America. "Fountain Pen". 21st January, 1984.
- Class. 3. No. 153750. Eagle Flask Private Limited (a company incorporated under the provisions of Companies Act) at Eagle Estate, Talegaon-410 507, Maharashtra State, India. "Flask". 5th December, 1983.
- Class. 3. No. 153980. Eagle Flask Private Limited (an existing Company under the Companies Act) at Eagle Estate, Talegaon-410 507, State of Maharashtra, India. "Vacuum Flask". 18th January, 1984.
- Class. 3. No. 153997. Inder Kumar Agarwak, an Indian National, of D-14 Debonair Apartments, Almeida Road, Thane 400 602, Maharashtra, India. "A Bottle". 27th January, 1984.
- Class. 4. No. 153623. Parashnath Das Deb-Indian 79B, Pataldanga Street, Calcutta-700 009, West Bengal, India. "Dashboard". 2nd November, 1983.
- Class. 10. No. 153640. Canvas Shoe Company Private Limited, (a Company incorporated under the Provisions of the Indian Companies Act, 1956) of Bharat Insurance Building, Horniman Circle, Bombay-400 001, State of Maharashtra, India. "Footwear". 9th November, 1983.
- Class. 10. No. 153642. Canvas Shoe Company private Limited, (a Company incorporated under the Provisions of the Indian Companies Act, 1956) of Bharat Insurance Building, Horniman Circle, Bombay-400 001, State of Maharashtra, India.
- Extn. of Copyright for the Second period of five years.
- Nos. 149649, 153456. Class-1.
- Nos. 153441, 153457. Class-3.
- Extn. of Copyright for the Third period of five years.
- No. 153456. Class-1.
- Nos. 141782, 141783, 153441, 153457. Class-3.
- SHANTI KUMAR.
Controller General of Patents,
Designs and Trade Marks.